

What is claimed is:

1. A thermosetting transparent coating material comprising, based in each case on (A), (B), (C), and (D),
 - (A) from 10 to 40 % by weight of at least one (meth)acrylate (co)polymer having a number-average molecular weight of from 1,000 to 6,000 daltons, a glass transition temperature of -15 to +70°C, and a hydroxyl number of from 80 to 200 mg KOH/g,
 - (B) from 10 to 40 % by weight of at least one polyester having a number-average molecular weight of from 800 to 6,000 daltons, a hydroxyl number of from 80 to 200 mg KOH/g and an acid number of from 1 to 50 mg KOH/g, comprising, based on the polyester, from 30 to 70 % by weight of cycloaliphatic structural units,
 - (C) from 10 to 40 % by weight of at least one blocked polyisocyanate in which the blocked polyisocyanate groups are attached to at least one flexibilizing structural unit which, as part of a three-dimensional network, lowers its glass transition temperature, and
 - (D) from 10 to 40 % by weight of at least one blocked polyisocyanate in which at least one of the blocked polyisocyanate groups is attached to at least one hardening structural unit which, as part of a three-dimensional network, raises its glass transition temperature.
2. The coating material as claimed in claim 1, containing, based on (A), (B), (C), and (D), from 10 to 35 % by weight of (A).
3. The coating material as claimed in claim 1 or 2, containing, based on (A), (B), (C), and (D), from 10 to 35 % by weight of (B).
4. The coating material as claimed in any of claims 1 to 3, containing, based on (A), (B), (C), and (D), from 10 to 35 % by weight of (C).

5. The coating material as claimed in any of claims 1 to 4, containing, based on (A), (B), (C), and (D), from 10 to 35 % by weight of (D).
- 5 6. The coating material as claimed in any of claims 1 to 5, wherein (A) has a number-average molecular weight of from 1,000 to 5,000 daltons.
7. The coating material as claimed in any of claims 1 to 6, wherein (A) has a glass transition temperature from -15 to + 60°C.
- 10 8. The coating material as claimed in any of claims 1 to 7, wherein (A) has a hydroxyl number of from 100 to 180 mg KOH/g.
9. The coating material as claimed in any of claims 1 to 8, wherein (B) has a number-average molecular weight of from 1,000 to 5,500 daltons.
- 15 10. The coating material as claimed in any of claims 1 to 9, wherein (B) has a hydroxyl number of from 100 to 180 mg KOH/g.
- 20 11. The coating material as claimed in any of claims 1 to 10, wherein (B) has an acid number of from 3 to 25 mg KOH/g.
- 25 12. The coating material as claimed in any of claims 1 to 11, wherein (B) contains, based on (B), from 40 to 60% by weight of cycloaliphatic structural units.
- 30 13. The coating material as claimed in any of claims 1 to 12, wherein the flexibilizing structural units of (C) are flexibilizing segments selected from the group consisting of divalent aliphatic hydrocarbon radicals and divalent, heteroatom-containing aliphatic hydrocarbon radicals.

14. The coating material as claimed in claim 13, wherein the flexibilizing structural units are hexamethylene radicals.
- 5 15. The coating material as claimed in any of claims 1 to 15, wherein the hardening structural units of (D) are selected from the group consisting of divalent and higher polyvalent cycloaliphatic radicals
16. The coating material as claimed in claim 15, wherein the cycloaliphatic radicals are isophorone radicals.
- 10 17. The coating material as claimed in any of claims 1 to 16, wherein the blocking agents for the polyisocyanates (C) and (D) are selected from the group consisting of phenols, lactams, active methylenic compounds, alcohols, mercaptans, acid amides, imides, amines, imidazoles, ureas, carbamates, imines, oximes, salts of sulfuric acid, hydroxamic esters, and substituted pyrazoles and triazoles.
- 15 18. The coating material as claimed in claim 17, wherein the polyisocyanates (C) are blocked with substituted pyrazoles.
- 20 19. The coating material as claimed in claim 17 or 18, wherein the polyisocyanates (D) are blocked with oximes.
- 25 20. The coating material as claimed in any of claims 1 to 19, composed of (A), (B), (C), and (D) and also of at least one additive (E).
- 30 21. A process for preparing the thermally curable transparent coating material as claimed in any of claims 1 to 20 by mixing constituents (A), (B), (C), and (D) and, where used, (E) and homogenizing the resulting mixture.
22. The use of the thermally curable transparent coating material as claimed in any of claims 1 to 20 or of the thermally curable

transparent coating material prepared by the process as claimed in Claim 21 for producing transparent coatings by the coil coating process.

- 5 23. The use as claimed in claim 22, wherein the transparent coatings are of automobile quality.